

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawaii 96813

May 22, 2009

Board of Land
and Natural Resources
Honolulu, Hawaii

Request for Approval of Special Activity Permit 2009-60 for
Dr. Michael Blum of Tulane University, and Designated Assistants

The applicant proposes to use unlawful small mesh nets to take lethal samples from a variety of freshwater organisms across the State to study goby recruitment and stream ecosystems. The Division has worked extensively with the applicant to minimize the potentially negative impacts from this portion of this relatively large study. The maximum numbers of samples of each species at each site authorized under this permit are listed on Appendix 1. This work is complementary to an earlier Special Activity Permit 2009-52 that the Board approved at its meeting of April 24, 2009.

RECOMMENDATION:

"That the Board authorize and approve, with stated conditions, this Special Activity Permit for Dr. Michael Blum, Tulane University."

Respectfully submitted,



DAN POLHEMUS
Administrator

APPROVED FOR SUBMITTAL:



LAURA H. THIELEN
Chairperson

Special Activity Permit
No. 2009-60

Department of Land & Natural Resources
DIVISION OF AQUATIC RESOURCES
1151 Punchbowl Street, Room 330
Honolulu, Hawaii 96813

Date Issued: May 22, 2009

Valid not longer than May 21, 2010

SPECIAL ACTIVITY PERMIT

The Department of Land and Natural Resources hereby grants permission for certain activities involving aquatic organisms belonging to the people of Hawaii, under Section 187A-6, Hawaii Revised Statutes, and other applicable laws.

The Permittee is

Name: Michael Blum Address: 6823 St. Charles Avenue
Title: Scientist 400 Lindy Boggs Building
Affiliation: Tulane University New Orleans, LA 70118

This permit is issued, subject to the general and special conditions, to take lethal samples from the following species listed in the table below to study freshwater goby recruitment and stream ecosystems.

Common Name	Scientific Name	Number Samples Authorized	Sampling Locations
Native gobies	<i>Lentipes concolor</i> , <i>Sicyopterus stimpsoni</i> , <i>Awaous guamensis</i> , <i>Stenogobius hawaiiensis</i> , <i>Eleotris sandwicensis</i>	See Appendix 1 and Special Conditions II.C.	Only in Listed watersheds; See Appendix 1 and Special Conditions II.D.
Native crustaceans	<i>Atyoida bisulcata</i> , <i>Macrobrachium grandimanus</i>	"	"
Non-Native shrimp	<i>Macrobrachium lar</i>	"	"
Guppy		"	"

I. GENERAL CONDITIONS:

- A. This permit does not make the Department of Land and Natural Resources or the State of Hawaii liable in any way for any claim of personal injury or property damage to the permittee or assistants which may occur during any activity conducted under this permit; moreover, the permittee and all assistants agree to hold the State harmless

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against any and all claims of personal injury, death or property damage resulting from activities of the permittee or any assistant.

- B. This permit conveys a privilege to engage in only those activities under the jurisdiction of the Department of Land and Natural Resources. The permittee is responsible for complying with all applicable County, State, and Federal requirements. The permit does not convey any privilege of access over or through private property.
- C. The primary permittee and designated assistants are required to obtain permission before entering upon lands or waters not under the jurisdiction of the Department.
- D. The permittee and each assistant are individually responsible and accountable for their actions while conducting activities authorized under this permit; additionally, the permittee is responsible and accountable for the actions of the permittee's assistants.
- E. This permit is not transferable or assignable. Any person whose name does not appear on this permit and is conducting any activity described herein is subject to prosecution for violation of State laws.
- F. The permittee may request changes to the permit. Any such request to make changes to the permit must be made in writing and received by the Department at least thirty days prior to the change. The addition of new assistants will require each individual to sign the Attachment on page 6 stating that they have read, understood, and agree to abide by all general and special permit conditions. No change may be implemented without written approval from the Department.
- G. The permittee may request to:
 1. Add assistants to the permit;
 2. Add another permittee or replace an existing permittee in the manner stated above; and
 3. Change the activities authorized under this permit.
- H. The permittee or their assistant(s) must have with them a copy of this permit while conducting activities authorized by this permit.
- I. This permit authorizes collection of organisms protected by Federal law only with prior appropriate Federal authority, which must be described on Page 1 of this permit (if applicable).
- J. This permit does not by implication authorize the primary permittee or any designated assistant to engage in any other activity that is in violation of any other State, Federal or County law, regulation or ordinance.
- K. This permit does not authorize the sale of any collected organism or part therefrom.

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- L. This permit expires on the date indicated on Page 1. Within one month of the expiration date, the permittee must return this permit to the address listed on the upper left corner of page 1 with complete information on all activities authorized under this permit, on the attached Activity Report form.
- M. The permittee and assistants agree to provide access to data obtained under authority of this permit upon request of the Division of Aquatic Resources, and to provide to the Division a copy of each report, published for distribution, prepared with data obtained under this permit. The permittee agrees to provide the Division of Aquatic Resources access to organisms obtained and held under this permit for on-site inspection.
- N. The permittee agrees to notify the island office of the Division of Conservation and Resources Enforcement at least 24 hours prior to any authorized activity being conducted in the field. Please provide the permittee name, the permit number, the date, time, and location of the planned activity, and contact information.
- O. A violation of any terms or condition of this permit or any violation of State law not covered by this permit may result in revocation of the permit and other penalties as provided by law. The permit may not be reissued if the permittee is not in compliance with the terms and conditions of this permit or any other permit issued to the permittee by the department of land and natural resources.

II. SPECIAL CONDITIONS

- A. This permit authorizes the use of small meshed (less than 2") hand nets, dip nets, minnow seines, and minnow & larvae traps to take lethal samples of the species listed on page 1 and Appendix 1.
- B. On Oahu, sampling of *Lentipes concolor* (fish), *Sicyopterus stimpsoni* (fish), *Atyoida bisulcata* (shrimp) and *Neritina granosa* (mollusk) is prohibited.
- C. The maximum number of samples on the Appendix is as follows: adults, juveniles, post-larvae. For example, Kauai (first line) Awaous " $\leq 5, \leq 10, \leq 25$ " means less than or equal to 5 adults & juveniles, 10 post-larvae, and 25 drifts from the Hanakapiai watershed. The adults & juveniles may be identified because they have color, the post-larvae are clear and colorless, and the drifts are microscopic.
- D. Additional sampling limits on Oahu, Kauai, Maui, Molokai, Lanai, and Hawaii, is provided in Appendix 1. Sampling is only authorized in the watersheds listed in Appendix 1. The maximum number of samples, species, and watersheds are listed. Any sampling that is not listed in Appendix 1 is a violation of this permit.
- E. The permittee shall report, as required under General Conditions I.L. above, the following:
The date and time of all samples taken; GPS coordinates where samples were caught,

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total length (mm) for each specimen (fish-total length, crustacean – rostrum to uropods, mollusks – widest diameter), time and duration of set, stream name, number and length of all species of larvae collected and preserved for identification for each set of the drift net sampling and larval trapping. For otolith sampling, date, time, species, number, GPS, total length (mm) for each specimen sampled.

- F. Chemicals to take samples is expressly prohibited under this permit but may be used to preserve samples once taken.

LAURA H. THIELEN, Chairperson
Department of Land and Natural Resources

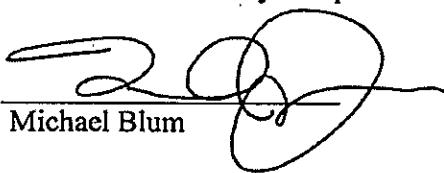
cc: (x) DOCARE
(x) DAR-Kauai
(x) DAR-Maui
(x) DAR-Molokai
(x) DAR-Hawaii

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SIGNATURES AND AGREEMENT

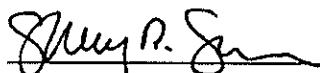
By my signature below, I acknowledge receipt and understanding of the general and special conditions of this Special Activity Permit. Further, I agree to abide by all of these conditions when conducting activities authorized by this permit.

PRINCIPAL PERMITTEES:


Michael Blum

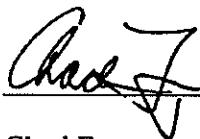
DESIGNATED ASSISTANTS:

Signature:



Print Name: Sunny Snider

Signature:



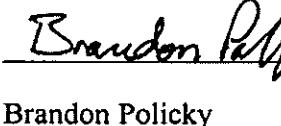
Print Name: Chad Ferguson

Signature:



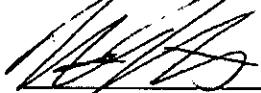
Print Name: Roderick Gagne

Signature:



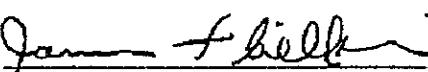
Print Name: Brandon Policky

Signature:



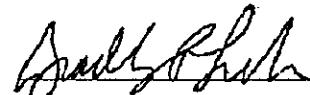
Print Name: Mat Quattrocelli

Signature:



Print Name: James F. Gilliam

Signature:



Print Name: Bradley A. Lamphere

Signature:



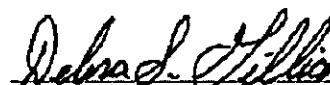
Print Name: Ernst F. Hain

Signature:



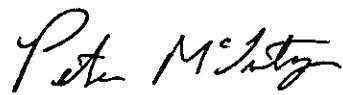
Print Name: Diane Biederman

Signature:



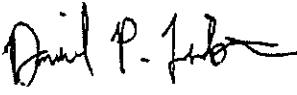
Print Name: Debra S. Gilliam

Signature:



Print Name: Peter B. McIntyre

Signature:



Print Name: Daniel P. Lindstrom

Signature:

Signature:

Print Name:

Print Name:

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ATTACHMENT FOR DESIGNATED ASSISTANTS ONLY

Primary Permittee: Michael Blum

I, being the primary permittee, hereby acknowledge the addition of the following designated assistants.


Michael Blum

5-9-09

Date

ADDITIONAL DESIGNATED ASSISTANTS

We, the undersigned, have read, understand, and agree to all conditions stipulated in the above Special Activity Permit.

Signature

Print Name: _____

Signature

Print Name: _____

Signature

Print Name:

Signature

Print Name:

Signature

Print Name:

Signature

Print Name:

Signature

Print Name: _____

Signature

Print Name:

Signature

Print Name:

Signatures

Print Name:

Appendix 1

DAW watershed Atlas	Stream	Sampling Regime	Native fish species					Non-native fish species
			'O'opu Nakaea Awaous	'O'opu Alamo'o	'O'opu Nopili Sicyopterus	'O'opu Nanaha	'O'opu Akupa	
KAUAI	Watershed							Guppy
Hanalei Region								
21010	Hanakap'i'ai	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
21019	Hanalei River	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
21021	'Anini	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Kekaha Region								
25008	Nahomalu	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
25007	Ka'awaloa	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
25016	Nu'alolo	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Ko'olau Region								
23004	Läwa'i	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
23007	Hanapepë River	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Lihu'e Region								
22001	Anahola	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
22013	Näwiliwili	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
O'AHU								
'Ewa Region								
34010	Waikélé	A	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
Honolulu Region								
33005	Waitupe	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
33007	Ala Wai	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
Ko'olau Loa Region								
31010	Kaipapa'u	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
31016	Punalu'u	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
31018	Kahana	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
Ko'olau Poko Region								
32002	Waikāne	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
32004	Walāhole	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
32009	Kea'ahala	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
32015	Waimānao	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
Waialae Region								
36006	Kīkī'i	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
36008	Anahulu River	B	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
36010	Walmea River	A	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
Waianae Region								
35002	Ulehawa	A	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
35004	Mā'ili'iili	A	≤5,≤5,<15	0,0,<15	0,0,<15	0,≤5,<15	0,≤5,<15	≤60,0,0
MOLOKAI								
Halawa Region								
41003	Waikolu	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
41009	Pelekunu	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
41015	Wallau	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
41021	Hālawa	9	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Ho'olehua Region								
43018	Manawai'ui Gulch	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
'Ualapu'u Region								
42002	Honouli Malo'o	B	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
42003	Honouli Wal	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
42004	Walatua	B	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
42005	Kainali Gulch	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
42014	Kamaio Gulch	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
42015	Kawela Gulch	B	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Unnamed Region								
45004	Kawaalo (21.1948,-157.158)	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
MAUI								
Kahikinui Region								
65012	Pua'ahu Gulch	B	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
65013	'Ohe'o Gulch	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
65020	'Aelele	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
65024	Manawai'ui	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Ke'anae Region								
64022	Hanawi	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Lahaina Region								
61002	Olowalu	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
61011	Honokōhau	B	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Makawao Region								
63001	Māliko Gulch	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Walluku Region								
62003	Kahakuloa	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
62007	Waie'e River	B	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
62009	Iao	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
LANA'I (No Atlas Data)								
51031	Mauna Lei Gulch	A	0,0,0	0,0,0	0,0,0	0,0,0	0,0,0	≤60,0,0
HAWAII								
Hāmāku'a Region								
81012	'A'ama'akō Gulch	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
81044	Waipa	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Hilo Region								
82009	Kaiwilahahi	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
82050	Pū'ulikēpā	A	≤5,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
82056	Honoli'i	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
82061	Wai'oa River	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Ka'u Region								
83014	Ninole Gulch	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
Kohala Region								
85003	Wai'ula'ula	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0
85004	Hopeala	B	≤15,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	0,≤10,<25	≤60,0,0

DAR Watershed Atlas Code	Stream	Sampling Regime	Native Invertebrate species		Non-native species
	Watershed		'Opae Kala'ole Atyoida	'Opae 'Oeha'a Macrobrachium	Tahitian prawn Macrobrachium lar
KAUAI'					
Hanalei Region					
21010	Hana'akap'i'ai	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
21019	Hanalei River	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
21021	'Anini	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Kekaha Region					
25008	Nahomalu	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
25007	Ka'awaloa	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
25016	Nu'alolo	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Kokea Region					
23004	Lawa'i	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
23007	Hanapepe River	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Lihu'e Region					
22001	Anahola	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
22013	Nawiliwili	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
OAHU					
'Ewa Region					
34010	Waikele	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Honolulu Region					
33005	Wailupe	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
33007	Aia Wal	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Ko'olau Loa Region					
31010	Kaipapa'u	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
31018	Punalu'u	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
31018	Kahana	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Ko'olau Poko Region					
32002	Waikane	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
32004	Waiahole	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
32009	Ke'a'ahala	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
32015	Waianae	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Waianae Region					
36008	Ki'ilki'i	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
36008	Anahulu River	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
36010	Waimea River	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
MOLOKA'I					
Halawa Region					
41003	Waikolu	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
41009	Pelekunu	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
41015	Waialau	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
41021	Halawa	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Ho'olehua Region					
43018	Manawai'ui Gulch	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
'Ulapanu'e Region					
42002	Honouli Malo'o	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
42003	Honouli Wal	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
42004	Walalau	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
42005	Kalinalu Gulch	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
42014	Kemal Gulch	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
42015	Kawela Gulch	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Unnamed Region					
45004	Kawaalo (21.1948,-157.158)	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
MAUI					
Kahikinui Region					
65012	Pua'alu'u Gulch	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
65013	'Ohe'o Gulch	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
65020	'Aielele	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
65024	Manawai'ui	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Ke'anae Region					
64022	Hanawi	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Lahaina Region					
61002	Olowalu	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
61011	Honokhau	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Makawao Region					
63001	Maliko Gulch	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Wailuku Region					
62003	Kahakuloa	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
62007	Waihi'e River	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
62009	Iao	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
LANA'I (No Atlas Data)					
51031	Mauna Lei Gulch	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
HAWAII					
Häna'akoa Region					
61012	'A'amakäo Gulch	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
61044	Walica	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Hilo Region					
62009	Kaiwilahilahi	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
62050	Pu'uokalepa	A	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
62056	Honoli'i	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
62061	Waiboa River	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Ka'u Region					
63014	Ninole Gulch	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
Kohala Region					
65003	Walula'ula	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0
65004	Hopeaia	B	0, \leq 10,<25	0, \leq 10,<25	0,<60,0